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L3 ANSWER 1 OF 2 EMBASE COPYRIGHT (c) 2008 Elsevier B.V. All rights reserved on STN

ACCESSION NUMBER: 1995012538 EMBASE
TITLE: Expression of the interleukin 1 receptor antagonist in the normal human cornea.
AUTHOR: Torres, P., Dr. (correspondence); De Vos, A.F.; Van der Gaag, R.; Kijlstra, A.
CORPORATE SOURCE: Department of Ophthalmology, Netherlands Ophthalmic

Research Inst, PO Box 12141, 1100 AC Amsterdam, New Zealand

SOURCE: Ocular Immunology and Inflammation, (1994) Vol. 2, No. 4, pp. 217-222.
ISSN: 0927-3948 CODEN: OIINEN

COUNTRY: Netherlands

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 012 Ophthalmology
026 Immunology, Serology and Transplantation

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 25 Jan 1995
Last Updated on STN: 25 Jan 1995

AB The human cornea has been shown to express a number of inflammatory cytokines including IL-1, IL-6 and IL-8. In view of the potent proinflammatory activities of interleukin-1 (IL-1), regulatory mechanisms should be present in the human cornea to control IL-1 mediated inflammatory and immune responses. This is important for the maintenance of the integrity and transparency of the cornea. To test this hypothesis, the authors determined the presence of IL-1 receptor antagonist (IL-1ra) in the normal human cornea using an enzyme-linked immunosorbent assay (ELISA). IL-1ra is a natural antagonist of IL-1 and competes with IL-1 for the binding to its receptors thereby blocking the inflammatory response. Corneas were either tested immediately or after a 24-hour culture period. Furthermore, the authors separately analyzed the three layers of the cornea. Their results present evidence for the constitutive expression of the IL-1ra protein in the normal human cornea and show that both epithelial and stromal cells produce IL-1ra. The epithelial cells are the major source of corneal IL-1ra immunoreactivity, and secrete IL-1ra during culture. Stromal cells contain detectable, albeit low amounts of cell associated IL-1ra. No IL-1ra was detected in the endothelial cell layer. A more accurate understanding of the balance between IL-1 and IL-1ra in ocular tissues and the role of the IL-1ra under physiologic and pathophysiologic conditions will be necessary for an eventual use of IL-1 receptor antagonist as a therapeutical tool.

L3 ANSWER 2 OF 2 BIOSIS COPYRIGHT (c) 2008 The Thomson Corporation on STN

ACCESSION NUMBER: 1992:22461 BIOSIS

DOCUMENT NUMBER: PREV199242010161; BR42:10161

TITLE: MOLECULAR CLONING OF RABBIT IL-1-RECEPTOR ANTAGONIST IL-1RA GENE.

AUTHOR(S): COMINELLI F [Reprint author]; BREWER M T; EISENBERG S P

CORPORATE SOURCE: DIV GI LIVER DIS, UNIV SOUTHERN CALIF, SCH MED, LOS ANGELES, CA, USA

SOURCE: Cytokine, (1991) Vol. 3, No. 5, pp. 499.
Meeting Info.: THIRD INTERNATIONAL WORKSHOP ON CYTOKINES, STRESA, ITALY, NOVEMBER 10-14, 1991. CYTOKINE.
CODEN: CYTIE9. ISSN: 1043-4666.

DOCUMENT TYPE: Conference; (Meeting)

FILE SEGMENT: BR

LANGUAGE: ENGLISH

ENTRY DATE: Entered STN: 18 Dec 1991
Last Updated on STN: 18 Dec 1991

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COST IN U.S. DOLLARS
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SINCE FILE	TOTAL
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TOTAL

ENTRY

SESSION

0.30

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